Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/15/2017 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124835	-1	1.71	124746	1.70
Blue	F	SSC	125000	123805	-1	3.06	124315	2.93
Blue	E	FITC	21625	21107	-3	3.06	941	9.94
Blue	D	PE	26832	26357	-2	2.03	945	9.07
Blue	B	PerCP-Cy5-5	48027	47768	-1	3.32	1367	16.39
Blue	A	PE-Cy7	40971	40491	-2	4.83	636	33.08
Red	C	APC	49746	48853	-2	2.78	2825	9.23
Red	A	APC-Cy7	53615	52962	-2	3.25	1100	11.07
Violet	B	V450	14488	13994	-4	5.66	670	9.58
Violet	A	V500	55123	53755	-3	5.48	2382	7.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18536	5.64	596	-2	N/A	N/A	Pass
Blue	F	SSC	61443	1.77	526	-8	N/A	N/A	Pass
Blue	E	FITC	105	38.92	528	-8	0.0235	250	Pass
Blue	D	PE	206	27.39	523	-8	0.1943	260	Pass
Blue	B	PerCP-Cy5-5	215	42.49	620	-9	0.0107	58	Pass
Blue	A	PE-Cy7	70	109.82	669	-12	0.0135	15	Pass
Red	C	APC	331	26.58	584	-10	0.0215	50	Pass
Red	A	APC-Cy7	120	39.16	568	-12	0.0059	1587	Pass
Violet	B	V450	81	41.70	462	-9	0.0529	2141	Pass
Violet	A	V500	173	23.98	488	-8	0.0175	1183	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.90	-31.47	0.85
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	17.97	13.27 - 19.91	N/A	N/A	31.62	31.98	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12826

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments